

Datasheet for ABIN6244021  
**anti-TK1 antibody (AA 139-173)**

## 3 Images

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## Overview

Quantity:	200 µL
Target:	TK1
Binding Specificity:	AA 139-173
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This TK1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 139-173 amino acids from the Central region of human TK1.
Clone:	RB56912
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	TK1
Alternative Name:	TK1 ( <a href="#">TK1 Products</a> )

## Target Details

Molecular Weight: 25469

UniProt: [P04183](#)

## Application Details

Application Notes: WB: 1:2000. IHC-P: 1:25. FC: 1:25

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

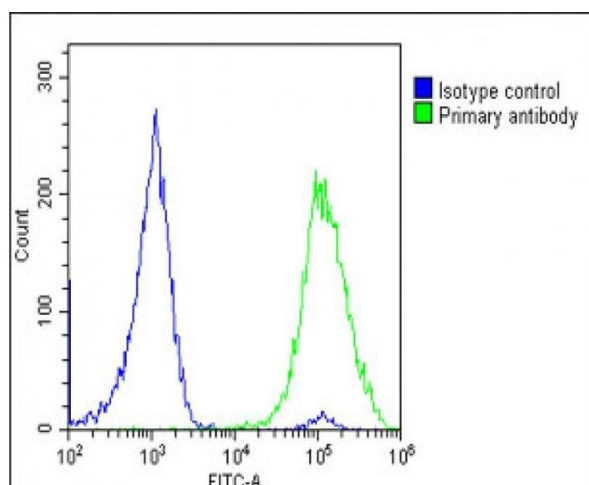
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

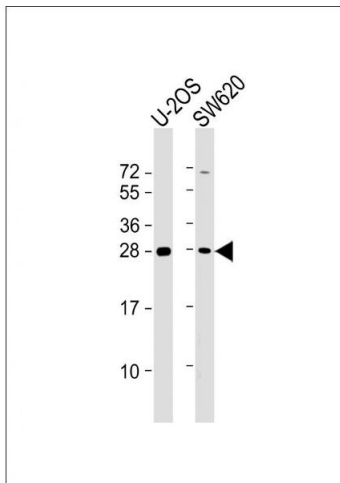
Expiry Date: 6 months

## Images



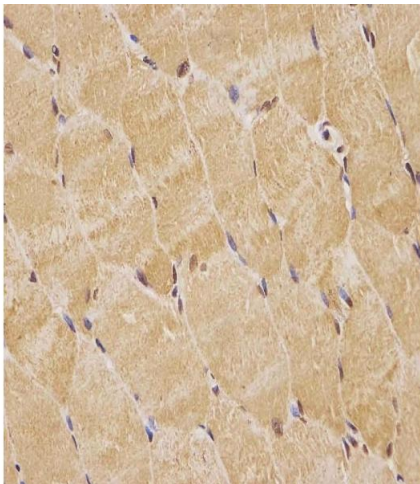
### Flow Cytometry

**Image 1.** Overlay histogram showing U-2 OS cells stained with (ABIN6244021 and ABIN6578763)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6244021 and ABIN6578763), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Western Blotting

**Image 2.** All lanes : Anti-TK1 Antibody (Center) at 1:2000 dilution Lane 1: U-2OS whole cell lysate Lane 2: S whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** (ABIN6244021 and ABIN6578763) staining TK1 in human skeletal muscle tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.